

# Work Order ID 77456

**\*77456\***

Page 1

December-07-11 2:54:56 PM

Item ID: D3281-1L02 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Floor Protector, Fwd LH (Black)  
 Start Date: 07/12/2011 Start Qty: 4.00 **\*4\*** Cust Item ID:  
 Required Date: 21/12/2011 Req'd Qty: 4.00 **\*4\*** Customer:  
 Reference:

Approvals: Process Plan: M.L.J Date: 11/12/07 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

| Sequence ID/<br>Work Center ID | Operation<br>Description              | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp  |
|--------------------------------|---------------------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|-----------------|
| <b>Draw Nbr</b>                | <b>Revision Nbr</b>                   |                      |         |        |              |               |               |                  |                 |
| D3281                          | Rev F                                 |                      |         |        |              |               |               |                  |                 |
| DSI 9504                       | A                                     |                      |         |        |              |               |               |                  |                 |
| 100                            |                                       | 0.00                 |         |        |              |               |               |                  |                 |
| <b>*100*</b>                   | HAND FINISHING THERMOFORMING          |                      |         |        |              | <u>x4</u>     |               |                  | <u>DL</u>       |
| Thermoform                     | Memo                                  | 0.00                 |         |        |              |               |               |                  | <u>11/12/07</u> |
| Thermoforming Machine          | Cut Blanks                            |                      |         |        |              |               |               |                  |                 |
| 105                            |                                       | 0.00                 |         |        |              |               |               |                  |                 |
| <b>*105*</b>                   | Dry Material                          |                      |         |        |              | <u>x4</u>     |               |                  | <u>DL</u>       |
| HandThermo                     | Memo                                  | 0.00                 |         |        |              |               |               |                  | <u>11/12/07</u> |
| Hand Finishing Thermoforming   | Dry Sheet as per QSI022 POLYCARBONATE |                      |         |        |              |               |               |                  |                 |
|                                | Temp: <u>340°F</u>                    |                      |         |        |              |               |               |                  |                 |
|                                | Time IN: <u>4:00 pm 11/13/07</u>      |                      |         |        |              |               |               |                  |                 |
|                                | Time OUT: <u>2:00 am 11/13/07</u>     |                      |         |        |              |               |               |                  |                 |

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

**\*77456\***

Page 2

**\*N900040100\***

Setup Start \*NS1\*

Stop \*NS2\*

**\*4\***

**Cust Item ID:**

**\*4\***

**Customer:**

**Reference:**

Run Start \*NR1\*

Stop **\*NR2\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

110

**\*110\***

## Thermoform

### Thermoforming Machine

## THERMOFORMING MACHINE

## Memo

Thermoform as per Dwg. D3281 and Folio FTA 011

Dwg. Rev. Folio Rev. 0

0.00

0.00

11/17/02

120

**\*120\***

QC

## Quality Control

QC2- Inspect parts off machine FAI/FAIB

## Memo

0.00

0.00

$$\frac{x^2}{x^2}$$

DE  
11/18/07

130

**\*130\***

Thermoform

### Thermoforming Machine

## HAND FINISHING THERMOFORMING

## Memo

### Trim to Finished Dimensions

0.00

0.00

    X    

He  
11/12/11

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

# Work Order ID 77456

**\*77456\***

Page 3

December-07-11 2:54:56 PM

Item ID: D3281-1L02 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Floor Protector, Fwd LH (Black)  
 Start Date: 07/12/2011 Start Qty: 4.00 **\*4\*** Cust Item ID:  
 Required Date: 21/12/2011 Req'd Qty: 4.00 **\*4\*** Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

| Sequence ID/<br>Work Center ID | Operation<br>Description                      | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|---|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| 140                            | QC2- Inspect parts off machine FAI/FAIB       | 0.00                 |         |        |              |               |               |                  |                |
| <b>*140*</b>                   |   |                      |         |        |              | x4            |               |                  | 11/12/14       |
| QC                             | Memo  | 0.00                 |         |        |              |               |               |                  |                |
| Quality Control                |   |                      |         |        |              |               |               |                  |                |
| 150                            | QC5- Inspect part completeness to step on W/O | 0.00                 |         |        |              |               |               |                  |                |
| <b>*150*</b>                   |   |                      |         |        |              | (x4)          |               |                  |                |
| QC                             | Memo  | 0.00                 |         |        |              |               |               |                  |                |
| Quality Control                |   |                      |         |        |              |               |               |                  |                |
| 160                            | Packaging                                     | 0.00                 |         |        |              |               |               |                  |                |
| <b>*160*</b>                   |   |                      |         |        |              | (4x)          |               |                  | SP11-12-19.    |
| Packaging                      | Memo  | 0.00                 |         |        |              |               |               |                  |                |
| Packaging                      |   |                      |         |        |              |               |               |                  |                |

PPP 77731 JP

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

**Work Order ID 77456****\*77456\***

Page 4

December-07-11 2:54:56 PM

Item ID: D3281-1L02

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Floor Protector, Fwd LH (Black)

Start Date: 07/12/2011 Start Qty: 4.00

**\*4\***

Cust Item ID:

Required Date: 21/12/2011 Req'd Qty: 4.00

**\*4\***

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

170

QC21- Final Inspection - Work Order Release

0.00

**\*170\***

QC

Memo

0.00

Quality Control

11-12-20  
(u)

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries



# Picklist Print

December-07-11 2:55:00 PM

Page 1

Work Order ID: 77456

**\*77456\***

Parent Item: D3281-1L02

**\*D3281-1L02\***

Parent Item Name: Floor Protector, Fwd LH (Black)

Start Date: 07/12/2011

Required Date: 21/12/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:A04.07.01New issueKJ/JLM  
IPP Rev B. 07.16.2007 Thermoform in house DL  
Add Step 105 Dry Material 10/04/21 DL

IPP Rev. C

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|

MLEXS.093-F6006-02

Purchased

No

sf

581.2996

17.332

**\*MI FXS 093-F6006-02\***

**\*\***

GE PLASTICS LEXAN SHEET

Location

Loc Qty

Loc Code

therm

581.29958

106751

105.89

110877

475.40958

17.332 *8g*

*DL*  
*11/12/08*

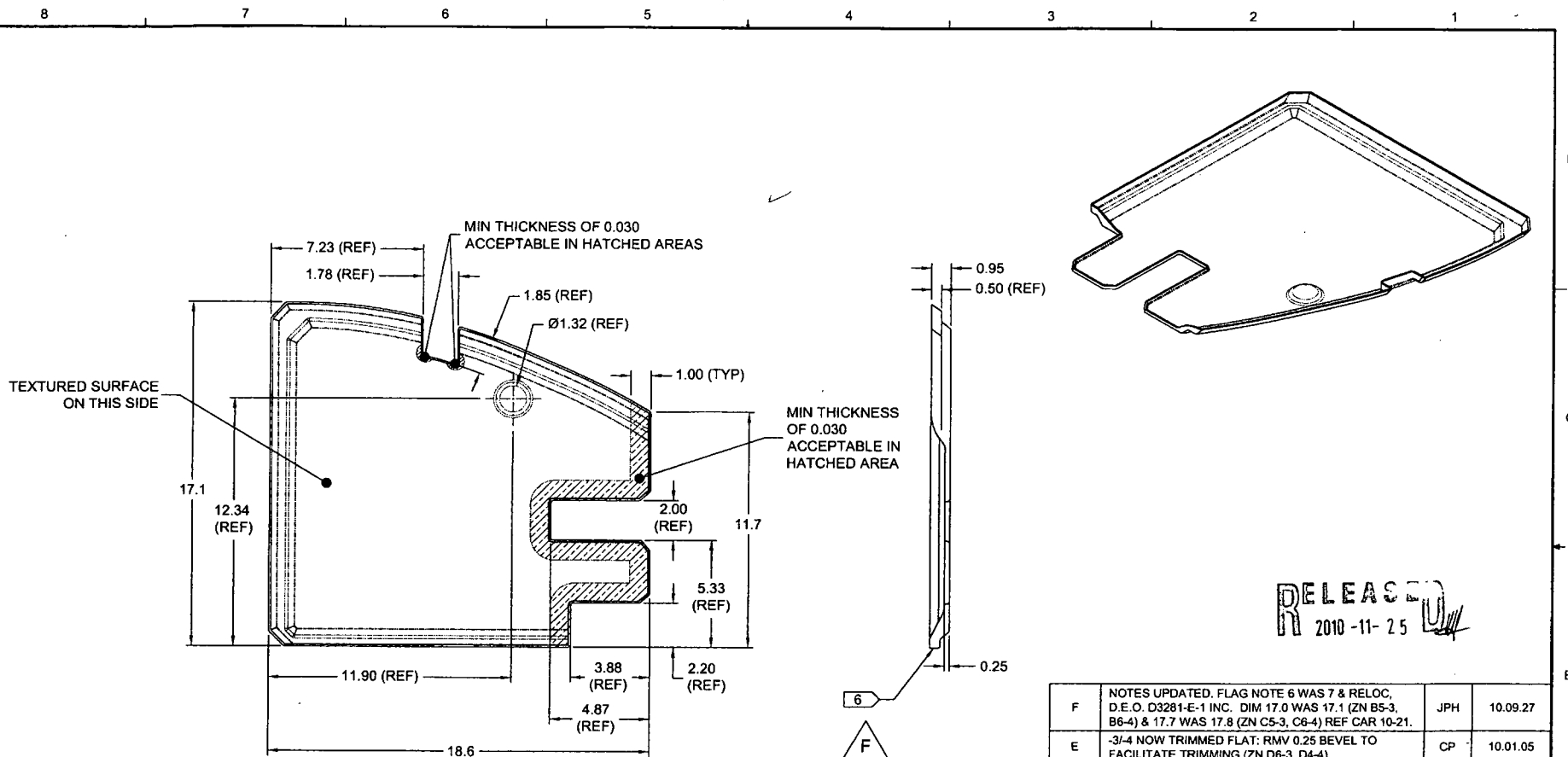
| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries



**D3281-1 FLOOR PROTECTOR**

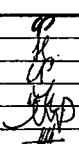
**NOTES:**

- 1) MATERIAL: -1L02 = LEXAN F6006, BLACK No. 701, 0.093" THICK (MLEXS.093-F6006-02)  
-1L08 = LEXAN 90318 (PROTECT-A-GLAZE), 0.118 THICK, 112-CLEAR (MLEXS.118-90318-08)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.010 MAX
- 6) IDENTIFICATION: IDENT WITH DART P/N "D3281-1Lxx" AND B/N PER QSI 044 6.4 ALONG PERIMETER OF PART AS SHOWN.
- 7) WEIGHT: D3281-1L02 = 0.95 lb D3281-1L08 = 1.13 lb
- 8) THERMOFORM WITH MOLD D3281-1T1 PER DART QSI 022; TRIM AS SHOWN  
MINIMUM THICKNESS AFTER FORMING: 0.070" EXCEPT WHERE INDICATED

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 77456

11/12/07

RELEASED  
2010-11-25

|            |   |   |              |
|------------|---|---|--------------|
| F          | NOTES UPDATED. FLAG NOTE 6 WAS 7 & RELOC,<br>D.E.O. D3281-E-1 INC. DIM 17.0 WAS 17.1 (ZN B5-3,<br>B6-4) & 17.7 WAS 17.8 (ZN C5-3, C6-4) REF CAR 10-21.  | JPH   | 10.09.27     |
| E          | -3/4 NOW TRIMMED FLAT: RMV 0.25 BEVEL TO<br>FACILITATE TRIMMING (ZN D6-3, D4-4)   | CP  | 10.01.05     |
| D          | THICKNESS 0.093 WAS 0.125, MIN THICKNESS 0.070<br>WAS 0.080, P/N AND B/N ID WITH VIBRATING STYLUS<br>(ZN A7-1, A7-2, A7-3, A7-4); D3281-4 NOW ON PAGE 4;<br>CORRECT WEIGHTS (ZN A8-1, A8-2, A8-3, A8-4) | PH  | 08.03.28     |
| C          | UPDATE DIMS TO MATCH PARTS:<br>COLOUR 701 WAS 700; GENERAL UPDATE   | LE  | 07.10.09     |
| B          | NOW LEXAN; DIMS AS MANUFACTURED   | CP  | 05.11.25     |
| A          | NEW ISSUE   | CP  | 04.05.03     |
| REV.       | DESCRIPTION   | BY  | DATE         |
| DESIGN     |    | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA  |              |
| DRAWN      |   | DRAWING NO.   | REV. F       |
| CHECKED    |   | D3281   | SHEET 1 OF 4 |
| MFG. APPR. |   | TITLE   | SCALE        |
| APPROVED   |   | FLOOR PROTECTOR   | NTS          |
| DE APPR.   |   |   |              |
| DATE       | 10.09.27  | COPYRIGHT © 2004 BY DART AEROSPACE LTD<br><small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> |              |

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

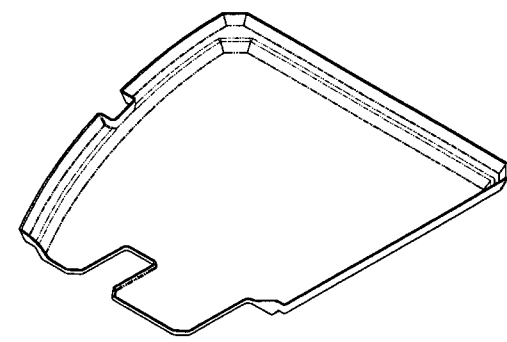
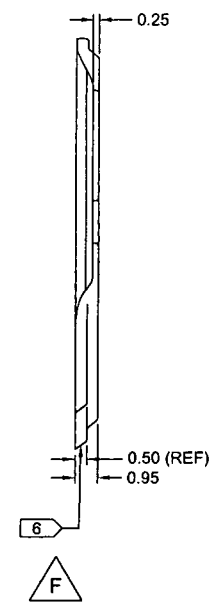
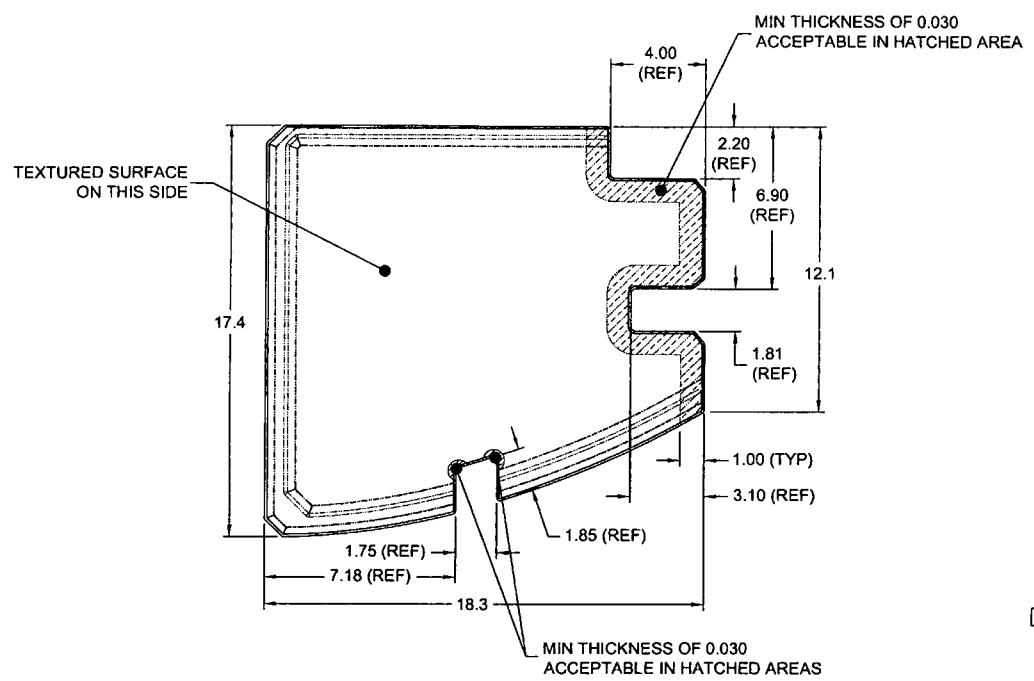
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

77456



**D3281-2 FLOOR PROTECTOR**

RELEASED  
2010-11-25

- NOTES:**
- 1) MATERIAL: -2L02 = LEXAN F6006, BLACK No. 701, 0.093" THICK (MLEXS.093-F6006-Q2)  
-2L08 = LEXAN 90318 (PROTECT-A-GLAZE), 0.118 THICK, 112-CLEAR (MLEXS.118-90318-08)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.010 MAX
- 6) IDENTIFICATION: IDENT WITH DART P/N "D3281-2Lxx" AND B/N PER QSI 044 6.4 ALONG PERIMETER OF PART AS SHOWN.
- 7) WEIGHT: D3281-2L02 = 0.95 lb D3281-2L08 = 1.13 lb
- 8) THERMOFORM WITH MOLD D3281-2T1 PER DART QSI 022; TRIM AS SHOWN  
MINIMUM THICKNESS AFTER FORMING: 0.070" EXCEPT WHERE INDICATED

|            |          |  |              |
|------------|----------|--|--------------|
| DESIGN     |          | <b>DART AEROSPACE LTD</b>  |              |
| DRAWN      |          | HAWKESBURY, ONTARIO, CANADA  |              |
| CHECKED    |          | DRAWING NO.  | REV. F       |
| MFG. APPR. |          | D3281  | SHEET 2 OF 4 |
| APPROVED   |          | TITLE  | SCALE        |
| DE APPR.   |          | FLOOR PROTECTOR  | NTS          |
| DATE       | 10.09.27 | <small>COPYRIGHT © 2004 BY DART AEROSPACE LTD<br/>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR ORIGIN OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> |              |

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

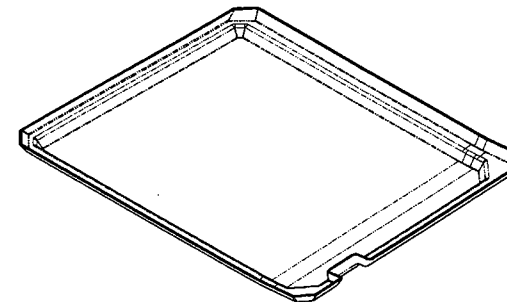
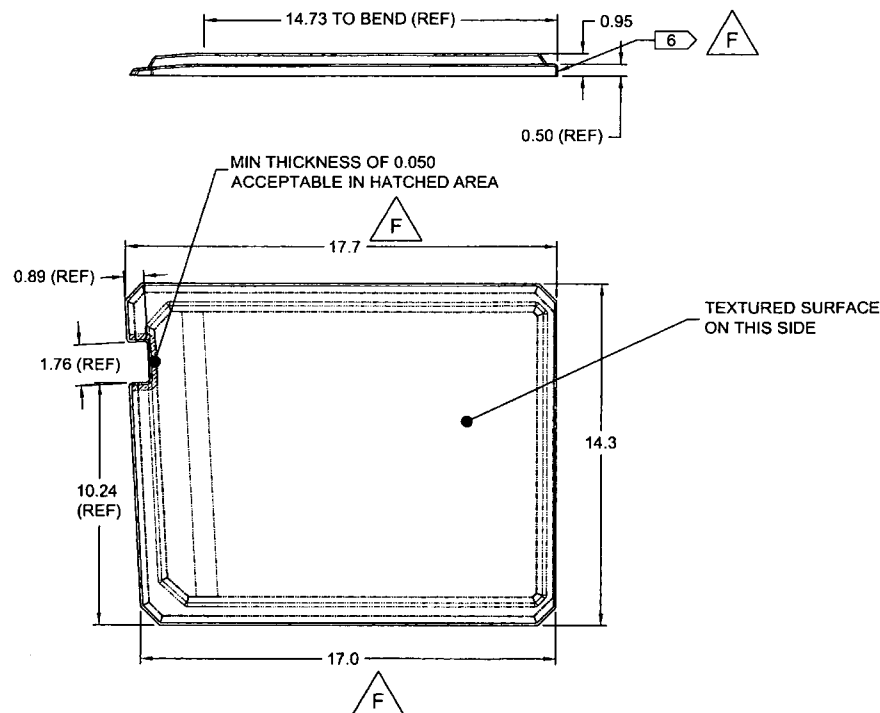
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

77456



**D3281-3 FLOOR PROTECTOR**

RELEASE  
2010-11-25

**NOTES:**

- 1) MATERIAL: -3L02 = LEXAN F6006, BLACK No. 701, 0.093" THICK (MLEXS.093-F6006-02)  
-3L08 = LEXAN 90318 (PROTECT-A-GLAZE), 0.118 THICK, 112-CLEAR (MLEXS.118-90318-08)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.010 MAX
- 6) IDENTIFICATION: IDENT WITH DART P/N "D3281-3Lxx" AND B/N PER QSI 044 6.4 ALONG PERIMETER OF PART AS SHOWN.
- 7) WEIGHT: D3281-3L02 = 0.87 lb D3281-3L08 = 1.05 lb
- 8) THERMOFORM WITH MOLD D3281-3T1 PER DART QSI 022; TRIM AS SHOWN  
MINIMUM THICKNESS AFTER FORMING: 0.070" EXCEPT WHERE INDICATED

|            |          |  |              |
|------------|----------|--|--------------|
| DESIGN     | 9P       | <b>DART AEROSPACE LTD</b>  |              |
| DRAWN      | JP       | HAWKESBURY, ONTARIO, CANADA  |              |
| CHECKED    | JP       | DRAWING NO.  | REV. F       |
| MFG. APPR. | JP       | D3281  | SHEET 3 OF 4 |
| APPROVED   | JP       | TITLE  | SCALE        |
| DE APPR.   | JP       | FLOOR PROTECTOR  | NTS          |
| DATE       | 10.09.27 | <small>COPYRIGHT © 2004 BY DART AEROSPACE LTD<br/>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> |              |

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

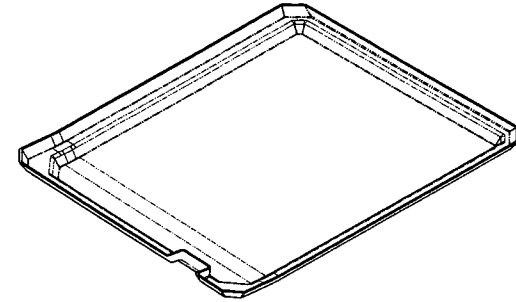
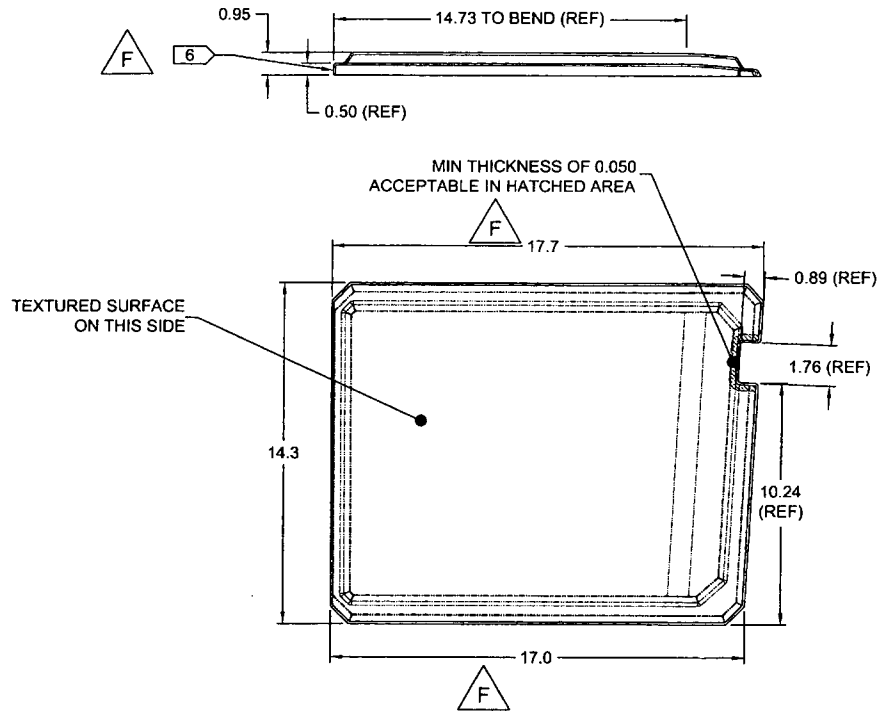
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries



77456



**D3281-4 FLOOR PROTECTOR**

RELEASED  
2010-11-25

**D3281-4 NOTES:**

- 1) MATERIAL: -4L02 = LEXAN F6006, BLACK No. 701, 0.093" THICK (MLEXS.093-F6006-02)  
-4L08 = LEXAN 90318 (PROTECT-A-GLAZE), 0.118 THICK, 112-CLEAR (MLEXS.118-90318-08)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.010 MAX
- 6) IDENTIFICATION: IDENTIFICATION: IDENT WITH DART P/N "D3281-4Lxx" AND B/N PER QSI 044 6.4 ALONG PERIMETER OF PART AS SHOWN.
- 7) WEIGHT: D3281-4L02 = 0.87 lb D3281-4L08 = 1.05 lb
- 8) THERMOFORM WITH MOLD D3281-4T1 PER DART QSI 022; TRIM AS SHOWN  
MINIMUM THICKNESS AFTER FORMING: 0.070" EXCEPT WHERE INDICATED

|            |          |  |              |
|------------|----------|--|--------------|
| DESIGN     |          | <b>DART AEROSPACE LTD</b>  |              |
| DRAWN      |          | HAWKESBURY, ONTARIO, CANADA  |              |
| CHECKED    |          | DRAWING NO.  | REV. F       |
| MFG. APPR. |          | D3281  | SHEET 4 OF 4 |
| APPROVED   |          | TITLE  | SCALE        |
| DE APPR.   |          | FLOOR PROTECTOR  | NTS          |
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| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D044-719 REV. A  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D044-719 REV. 0

REF TCCA STC: SH04-40

REF FAA STC: SR02051NY

REF EASA STC: EASA.IM.R.S.01075

## PURPOSE:

To add the D044-719-011L08 Clear Cabin Floor Protectors. The -011L08 kit is similar to the existing -011 kit, however the plastic is transparent instead of solid black. The existing D044-719-011 kit will be re-identified as D044-719-011L02.

## CHANGE:

The D044-719-011L08 Cabin Floor Protectors kit consists of four transparent plastic trays that are placed on the cabin floor to protect the carpets from damage. The -011L08 kit should be installed per the -011 kit of Installation Instructions IIN-D044-719 and maintained per Instructions for Continued Airworthiness ICA-D044-719. The parts list and weight & balance for the -011L08 kit is given below.

## PARTS LIST

| QTY<br>-011L02 | QTY<br>-011L08 | Part Number     | Description                    |
|----------------|----------------|-----------------|--------------------------------|
| X              |                | D044-719-011L02 | Cabin Floor Protectors (Black) |
|                | X              | D044-719-011L08 | Cabin Floor Protectors (Clear) |
| 1              |                | D3281-1L02      | Floor Protector, Fwd LH, Black |
|                | 1              | D3281-1L08      | Floor Protector, Fwd LH, Clear |
| 1              |                | D3281-2L02      | Floor Protector, Fwd RH, Black |
|                | 1              | D3281-2L08      | Floor Protector, Fwd RH, Clear |
| 1              |                | D3281-3L02      | Floor Protector, Aft LH, Black |
|                | 1              | D3281-3L08      | Floor Protector, Aft LH, Clear |
| 1              |                | D3281-4L02      | Floor Protector, Aft RH, Black |
|                | 1              | D3281-4L08      | Floor Protector, Aft RH, Clear |
| 8              | 8              | D2854-1-100     | Looped Velcro Strip            |
| 8              | 8              | D2854-3-100     | Hooked Velcro Strip            |

## WEIGHT AND BALANCE

| Installation                              | Weight           | Lateral     |                   | Longitudinal    |                       |
|---|------------------|-------------|-------------------|-----------------|-----------------------|
|   |                  | Arm         | Moment            | Arm             | Moment                |
| D044-719-011L02<br>Cabin Floor Protectors | 3.9 lb<br>1.8 kg | 0 in<br>0 m | 0 in-lb<br>0 m-kg | 50 in<br>1.27 m | 195 in-lb<br>2.3 m-kg |
| D044-719-011L08<br>Cabin Floor Protectors | 4.4 lb<br>2.0 kg | 0 in<br>0 m | 0 in-lb<br>0 m-kg | 50 in<br>1.27 m | 220 in-lb<br>2.5 m-kg |

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 10.02.24

CERT. NO.: SH04-40

ISSUE NO.: 1

|            |             |  |              |
|------------|-------------|--|--------------|
| A          | NEW ISSUE   | CP   | 10.02.24     |
| REV.       | DESCRIPTION | BY   | DATE         |
| DESIGN     | qp          | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA   |              |
| DRAWN      | qp          |  |              |
| CHECKED    | h           | DRAWING NO.  | REV. A       |
| MFG. APPR. | N/A         | DSI 9504   | SHEET 1 OF 1 |
| APPROVED   | h           | TITLE  | SCALE        |
| DE APPR.   | h           | FLOOR PROTECTOR KIT, CLEAR   | NTS          |
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17456

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

|   |               |                     |         |
|---|---------------|---------------------|---------|
| <b>DART AEROSPACE LTD</b>                   |               | <b>Work Order:</b>  | 77456   |
| <b>Description:</b> Floor Protector, Fwd LH |               | <b>Part Number:</b> | D3281-1 |
| <b>Inspection Dwg:</b> D3281                | <b>Rev:</b> F | <b>Page 1 of 1</b>  |         |

**FIRST ARTICLE INSPECTION CHECKLIST**  
**THERMOFORMING SECTION**

| Description   | Accept | Reject | Method of Inspection | Comments |
|---|--------|--------|----------------------|----------|
| Inside Radii less than 0.1875" Go/No Go                         | /      |        |                      |          |
| Shape Definition  | /      |        |                      |          |
| Texture Retention   | /      |        |                      |          |
| Material imperfections such as bumps, cracks, voids, scratching | /      |        |                      |          |
|   |        |        |                      |          |

|                     |    |              |          |
|---------------------|----|--------------|----------|
| <b>Measured by:</b> | DL | <b>Date:</b> | 11/12/07 |
|---------------------|----|--------------|----------|

**TRIMMING SECTION**

| Drawing Dimension | Tolerance | Actual Dimension | Accept | Reject | Method of Inspection | Comments |
|-------------------|-----------|------------------|--------|--------|----------------------|----------|
| 18.6              | +/-0.100  | 18.6"            | /      |        | TAPE DL-01           |          |
| 17.1              | +/-0.100  | 17.06"           | /      |        | TAPE DL-01           |          |
| 11.7              | +/-0.100  | 11.625"          | /      |        | TAPE DL-01           |          |
| 0.95              | +/-0.030  | 0.976"           | /      |        | VERN DL-02           |          |
| 0.25              | +/-0.030  | 0.259"           | /      |        | VERN DL-02           |          |
| 0.030             | Min       | 0.077"           | /      |        | CAL TH-DT            |          |
| 0.070             | Min       | 0.088"           | /      |        | CAL TH-DT            |          |
|                   |           |                  |        |        |                      |          |
|                   |           |                  |        |        |                      |          |
|                   |           |                  |        |        |                      |          |
|                   |           |                  |        |        |                      |          |
|                   |           |                  |        |        |                      |          |
|                   |           |                  |        |        |                      |          |

|                              |    |              |          |
|------------------------------|----|--------------|----------|
| <b>Measured by:</b>          | DL | <b>Date:</b> | 11/12/14 |
| <b>Audited by:</b>           | S  | <b>Date:</b> | 11/12/16 |
| <b>Preliminary Approval:</b> |    | <b>Date:</b> |          |

| Rev | Date     | Change                                | Revised by | Approved |
|-----|----------|---------------------------------------|------------|----------|
| A   | 08.02.28 | New Issue                             | KJ/DL      |          |
| B   | 08.04.16 | Dimensions updated per Dwg Rev D      | KJ/DL      |          |
| C   | 08.09.12 | Tolerance revised for 0.070 dimension | KJ/DL      |          |
| D   | 10.09.01 | Dwg Rev updated                       | KJ         |          |
| E   | 11.06.21 | Dwg Rev updated                       | KJ         |          |